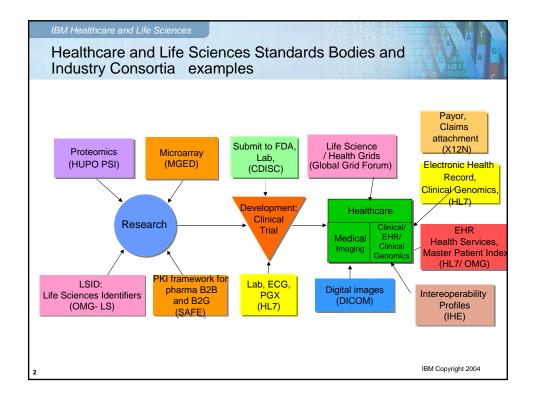
Track 4 Case Study Submission of Pharmacogenomic Data to FDA and standards

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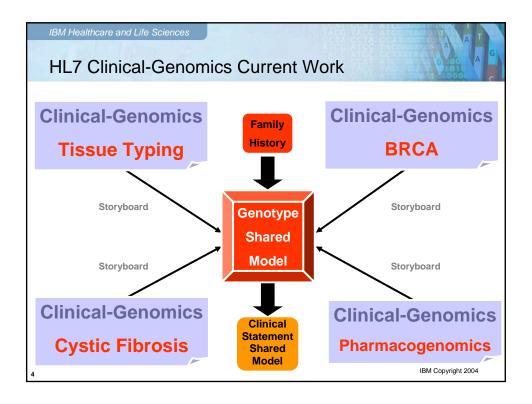


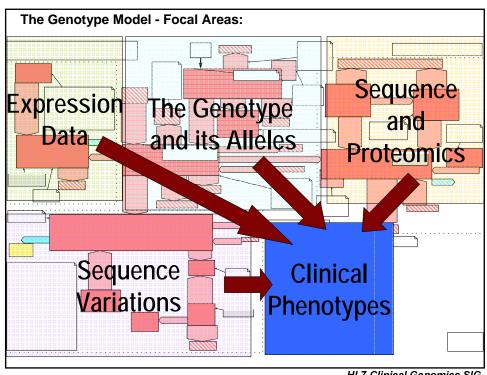
IBM Healthcare and Life Sciences

HL7 Clinical Genomics Special Interest Group

- Mission: to enable the standard use of patient genomic data such as DNA sequence variations and gene expression levels, for healthcare purposes ('personalized medicine') as well as clinical trials & research.
- CG Specs are in a DSTU (Draft Standard for Trial Use) Period; thus, substantive changes could take place until it goes to normative edition!!
- Joint work with HL7 RCRIM (clinical trials) on Pharmacogenomics is work in progress

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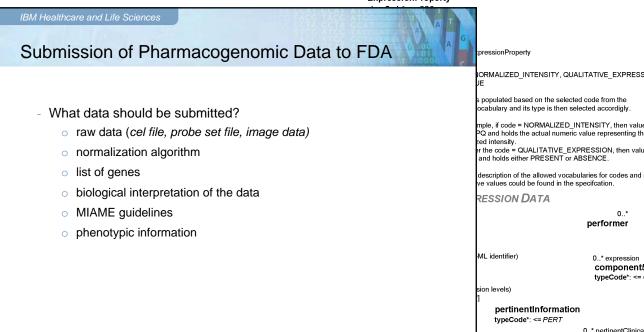


HL7 Clinical Genomics SIG

Document: Genotype Shared Model

Subject: Genomic Data Rev: POCG_DM000020-c Facilitator: Amnon Shabo (Shvo), IBM Research in Haifa, shabo@il.ibn

ExpressionProperty



Expression profile refers to both gene and protein expression levels.

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The code attribute indicates in what molecule the variation occurs, i.e., DNA, RNA or Protein. pertinentInformation typeCode*: <= *PERT*

ClinicalPhenotype

0..* performer

> 0..* expression components

0..* pertinentClinica